



FACULTY OF ENGINEERING

OUR MISSION

The objective of the Faculty of Engineering is to make contributions which take universal knowledge forward by doing scientific and inventive research and disseminating their results; to educate high-level, creative, innovative and entrepreneurial engineers who are environmentally and socially conscious; to make progressive contributions to national enlightenment and economic development of our country by taking active roles in education, science and research fields; to undertake a continuous and innovative role in research areas of the highest priority where education and our country can compete internationally by forming a common mind with all the stakeholders of the faculty; to meet the needs of all components of society, industry and government in the field of engineering, in the country-wide and in the Aegean region, and to pioneer in their enlightenment and structuring.

PROMINENT TECHNICAL FACILITIES :

7 environment, 16 electric-electronic, 6 construction, 7 geophysics, 6 geology, 16 mining, 15 metallurgy and materials, 25 Machinery, 13 Textile Laboratories, A Conference Hall, Computer Laboratories

PROMINENT EDUCATION PROGRAMS :

Minor and Double Major Opportunities, Erasmus +, Mevlana and Farabi Exchange Programs



DEPARTMENT OF COMPUTER ENGINEERING

As the Department of Computer Engineering at Dokuz Eylül University, it is our primary goal to train computer engineers who are sensitive to state issues, have a universal perspective, depend on professional ethics values and use up-to-date technology effectively, contribute to science and share the results of research and development activities with the society. The medium of instruction is 100% English at the Department of Computer. 1 year English preparatory program is obligatory. Education is provided with the course passing system. Relative grading system is applied.

DEPARTMENT OF ENVIRONMENTAL ENGINEERING

The Department of Environmental Engineering at Dokuz Eylül University aims to educate individuals that are equipped with theoretical and practical knowledge of environmental engineering based on the core principles of basic and engineering sciences; know the principles of its use by taking the present and future balances of air, water and soil environments into account; capable of designing engineering structures for the protection, development and maintenance of these environments; can produce and implement projects; have learned the basics of having research features and following technological development; have the ability to defend the idea before the public, able to do and manage teamwork; aims to raise individuals' awareness of ethical responsibilities and social problems from the professional side. The medium of instruction is 100% Turkish at the Department of Environmental Engineering. Education is done with the course passing system. Relative grading system is applied.



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

The objective of the department is to educate engineers in the whole base fields of electrical engineering particularly in telecommunication, electromagnetic fields, signal processing, electronics, power systems etc.; as interrogative individuals that can use their talents and skills effectively and creatively for the benefit of society, produce information in new fields, have acquired lifelong learning skills, have leadership qualities and can assume leadership for social and scientific progress; can deliver innovative solutions to present and future technological needs. The medium of instruction is 100% English at the Department of Electrical and Electronics Engineering. 1 year English preparatory program is obligatory. Education is provided with the course passing system. Relative grading system is applied.

DEPARTMENT OF INDUSTRIAL ENGINEERING

The Department of Industrial Engineering, in which young and dynamic faculty members work, has adopted the principle of providing qualified education and constantly updates its undergraduate and graduate education programs by taking into account the needs of the economy and the industry. The accreditation of the undergraduate program has been intensively studied in the department in recent years and as a result the division has been awarded the EUR - ACE label by the Association of Engineering Education Programs Evaluation and Accreditation (MÜDEK). The department's accreditation and perpetual improvement efforts continue uninterrupted. The medium of instruction is 100% Turkish at the Department of Industrial Engineering. Education is provided with the course passing system. Relative grading system is applied.

DEPARTMENT OF CIVIL ENGINEERING

In the Department of Civil Engineering, it is of top priority to serve the society by producing information resting upon research, to educate engineers and scientists that are researcher, creative, self-confident, able to follow and use the developments in the technology closely, apply the profession accordingly with the scientific and ethical canon, and have humanitarian values. The language of instruction is Turkish. Education is provided with the course passing system. Relative grading system is applied.

DEPARTMENT OF GEOPHYSICAL ENGINEERING

The Department of Geophysical Engineering is a scientific and engineering branch that combines basic sciences such as mathematics, physics and geology with contemporary electronics and software technology to produce information about the underground and earth. In Geophysical Engineering, it is of top priority to educate individuals that are able to use basic science and engineering sciences theoretically and practically, to help them gain skills of analyzing and interpreting geophysical engineering issues and continuously renew themselves, research and adapt themselves to technological development, lead and work in an interdisciplinary team, reconcile and solve social problems with their responsibilities and equipped with the cultural heritage and the necessary knowledge of the environment. The medium of instruction is 100% Turkish at the Department of Geophysical Engineering Education is provided with the course passing system. Relative grading system is applied.



DEPARTMENT OF GEOLOGICAL ENGINEERING

Geological Engineering education begins by examining the evolutionary processes that we have had through the foundation courses of engineering and the history of the earth we live on. They continue the education by examining the origins of rocks that constitute earth, their form of presence, internal structure, chemical, physical and mechanical properties in terms of revealing their economic value and geological, environmental and engineering considerations with regards to human-nature interaction. The geology engineer researches, finds and calculates reserves of underground natural resources, minerals, petroleum, industrial raw materials, groundwater, and geothermal energy sources, using scientific and technical methods. It also plays an active role in the study of ports, airports, dams, tunnels, bridges, roads and railways in the planning of new and existing settlement areas and conducts research and examination in these areas. The geology engineer makes geological maps of the earth. New technologies such as Geographic Information Systems and Remote

Sensing in mapping studies are also used. They determine areas to be affected by active faults and analyze events such as volcanic activity, and integrates the acquired knowledge of the earth and underground into practice. Geological engineers work closely with geophysics, mining, civil and environmental engineers. The Department of Geological Engineering provides 100% Turkish language training. Education is provided with the course passing system. Relative grading system is applied. Sensing in mapping studies are also used. They determine areas to be affected by active faults and analyze events such as volcanic activity, and integrates the acquired knowledge of the earth and underground into practice. Geological engineers work closely with geophysics, mining, civil and environmental engineers. The Department of Geological Engineering provides 100% Turkish language training. Education is provided with the course passing system. Relative grading system is applied. Sensing in mapping studies are also used. They determine areas to be affected by active faults and analyzes events such as volcanic activity, and integrates the acquired knowledge of the earth and underground into practice. Geological engineers work closely with geophysics, mining, civil and environmental engineers. The Department of Geological Engineering provides 100% Turkish language training. The course is taught with the passing system. Relative grading system is applied.

DEPARTMENT OF MINING ENGINEERING

The Department of Mining Engineering provides research support to public institutions in the private sector through its own machinery, equipment and devices and experienced employees. The department offers research, project and analysis services in laboratories affiliated to branches of mining, ore dressing, mineral mechanization and technology. Mining Engineering Department provides 100% Turkish language training. Education is provided with the course passing system. Relative grading system is applied.

DEPARTMENT OF MECHANICAL ENGINEERING

The Department of Mechanical Engineering aims to educate engineers who describe engineering problems related to thermal and mechanical systems; design thermal and mechanical components, considering their knowledge of mathematics, science and engineering, and the criteria of efficiency, affordability, compliance with standards, environmental sensitivity, etc.; provide solutions, using modern engineering tools and analysis and measurement methods; work effectively as a team in manufacturing industries and engineering; communicate orally and in the written form; have the necessary infrastructure for professional development; believe the necessity of life-long learning; have and understanding of the ethical responsibilities of the profession and its universal and social effects; and are sensitive to the problems of the age. The Department of Mechanical Engineering provides 30% English language training. 1 year English preparatory program is obligatory. Education is provided with the course passing system. Relative grading system is applied.



DEPARTMENT OF METALLURGY AND MATERIALS ENGINEERING

Department of Metallurgy and Materials Engineering aims to educate engineers and scientists who are inquisitive, creative, and innovative; have a sense of social responsibility and ethical values; and make positive contributions to the region and country's industry. In addition to the laboratory facilities and modern equipments it possesses, it aims to make extensive research on R & D, technology production and development with the knowledge, experience and the academic staff who have had completed many projects with the industry. The physical, mechanical, chemical, electronic and magnetic properties and behaviors of engineering materials can be studied in its laboratories, using modern devices. Traditional and new iron or nonferrous metal based materials can be produced in laboratory scale. Research and development studies of traditional and advanced metals, ceramics, polymers and composites are carried out. The department staff who have worked in many national and international projects are careful to ensure that their laboratories work in accordance with national and international criteria. The Department of Metallurgical and Materials Engineering provides 30% English language training. 1 year English Preparatory Program is required. Education is provided with the course passing system. Relative grading system is applied.

TEXTILE ENGINEERING DEPARTMENT

The Textile Engineering Department aims to be a reputable, continuously developing research and educational institution on an international level. The Department continues to increase its efforts to contribute to the knowledge with its AR - GE studies in parallel with its academic staff training activities. In addition to the needs of the textile industry in our country, there are many research projects supported by University Research Funds, TUBITAK, Ministry of Industry, European Union and some industrial organizations, which are determined in parallel with developments in the scientific world. Alongside its education and training activities, the department provides testing, analysis and consultancy services to various public institutions and researchers, as well as experts in modern laboratories, workshops and fields. Textile Engineering Department provides 30% English language training. 1 year English preparatory program is obligatory. Education is provided with the course passing system. Relative grading system is applied.



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